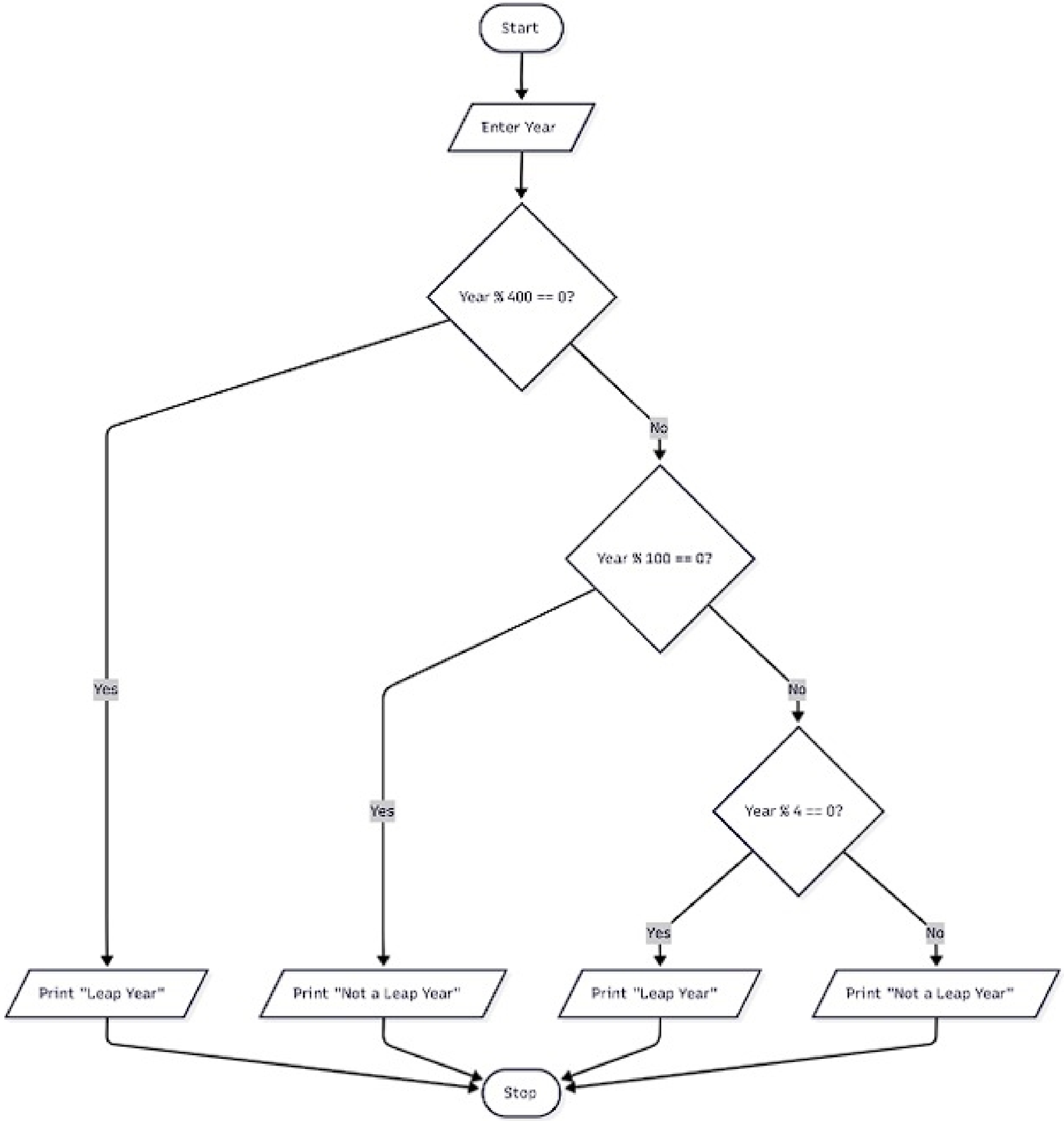
Algorithm: Leap Year Check

1. **Start**
2. **Input year**
3. **Check if the year is divisible by 400**
    - If **yes**, print *"Leap Year"*
4. **Else check if the year is divisible by 100**
    - If **yes**, print *"Not a Leap Year"*
5. **Else check if the year is divisible by 4**
    - If **yes**, print *"Leap Year"*
6. **Else**
    - Print *"Not a Leap Year"*
7. **Stop**


Start
Enter Year
Year % 400 == 0?
No
Year % 100 == 0?
Yes
No
Yes
Year % 4 == 0?
Yes
No
Print "Leap Year"
Print "Not a Leap Year"
Print "Leap Year"
Print "Not a Leap Year"
Stop

5.1.1. Leap Year Checker

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Write a Python program that prompts the user to enter a year. The program should determine if the year is a leap year or not and print the appropriate message.

Input Format:

- A single line contains an integer representing the year.

Output Format:

- Print "Leap year" if it is a leap year. Otherwise, print "Not a leap year".

Sample Test Cases +

Explorer

leapYear.py

Submit

```
1  year = int(input())
2
3  if (year % 4 == 0 and year % 100 != 0):
4      print("Leap year")
5  else:
6      print("Not a leap year")
```

Debugger

Terminal Test cases

‹ Prev Reset Submit Next ›